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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/826,009	04/16/2004	Mohamad El-Batal	LSI.96US01 (03-2331)	9215

84654 7590 10/15/2009  
COCHRAN FREUND & YOUNG LLC  
LSI CORPORATION  
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SUITE 201  
FORT COLLINS, CO 80525

EXAMINER
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FRANKLIN, RICHARD B

ART UNIT	PAPER NUMBER
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2181

MAIL DATE	DELIVERY MODE
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10/15/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<p align="center"><b>Advisory Action</b> <b>Before the Filing of an Appeal Brief</b></p>	<p><b>Application No.</b> 10/826,009</p>	<p><b>Applicant(s)</b> EL-BATAL, MOHAMAD</p>	
	<p><b>Examiner</b> RICHARD FRANKLIN</p>	<p><b>Art Unit</b> 2181</p>	

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 28 September 2009 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.  
b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

#### AMENDMENTS

3. ☒ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because  
(a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);  
(b) ☐ They raise the issue of new matter (see NOTE below);  
(c) ☒ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or  
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).  
5. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.  
6. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).  
7. ☒ For purposes of appeal, the proposed amendment(s): a) ☒ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.  
The status of the claim(s) is (or will be) as follows:  
Claim(s) allowed: \_\_\_\_\_.  
Claim(s) objected to: \_\_\_\_\_.  
Claim(s) rejected: 1-6 and 8-18.  
Claim(s) withdrawn from consideration: \_\_\_\_\_.

#### AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).  
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).  
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

#### REQUEST FOR RECONSIDERATION/OTHER

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
See Continuation Sheet.  
12. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). \_\_\_\_\_.  
13. ☐ Other: \_\_\_\_\_.

/Alford W. Kindred/  
Supervisory Patent Examiner, Art Unit 2181

Continuation of 11. does NOT place the application in condition for allowance because: applicant's arguments are not persuasive. Applicant argues that the relied upon reference, US Patent No. 5,724,539 (hereinafter Riggle), teaches away from applicant's claimed invention. Applicant states that Riggle clearly criticizes, discredits, or otherwise discourages the claimed subject matter. However, the Examiner respectfully disagrees. Riggle teaches that the claimed configuration is possible to construct and will operate accordingly. However, Riggle simply states that such a configuration is undesirable for them because the configuration would be economically undesirable as it leads to poor utilization of the storage media. Rather than a teaching away, the Examiner submits that such a teaching is merely an ordinary engineering design consideration. Economic considerations are ordinary considerations when trying to balance speed, space, and cost in the design of a system. Therefore, Riggle does not teach away from the claimed invention, but merely shows ordinary design considerations with regard to building the system.

Applicant also argues that the relied upon reference, US Patent No. 6,915,380 (hereinafter Tanaka), does not teach directing a plurality of parallel data streams to a corresponding plurality of disk drives using a crossbar switch. Applicant states that instead, Tanaka teaches the crossbar switch directing a parallel signal to a chosen output port, and the signal then being converted to a serial signal. However, the Examiner respectfully disagrees. The Examiner submits that Riggle teaches that the parallel data streams are directed to each disk drive, but does not teach that a crossbar switch directs the data. However, Tanaka teaches that a crossbar switch directs parallel data to an intended destination. Tanaka teaches that a data frame is input as serial data, but then converted to parallel data (Tanaka; Col 6 Lines 55 - 64). The parallel data is then directed to the appropriate output port (Tanaka; Col 6 Lines 55 - 64). Therefore, Tanaka cures the deficiency of Riggle, that a crossbar switch directs parallel data to the appropriate destination..